

WHAT IS CLAIMED IS:

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1. A water-metachromatic cloth sheet which comprises a support and provided on the surface thereof a porous layer formed of a binder resin to which fine-particle silicic acid stands fixed dispersedly, and is capable of rendering different transparency between a liquid-absorbed state and a liquid-unabsorbed state, wherein;

said support is a cloth having a weight per unit area of 30 g/m^2 to $1,000 \text{ g/m}^2$, said fine-particle silicic acid is held in said porous layer in an amount of from 1 g/m^2 to 30 g/m^2 , and said fine-particle silicic acid is incorporated in an amount ranging from 0.5 part by weight to 2 parts by weight based on 1 part by weight of the binder resin.

2. The water-metachromatic cloth sheet according to claim 1, wherein said fine-particle silicic acid is a silicic acid having a particle diameter of from $0.03 \mu\text{m}$ to $10 \mu\text{m}$, produced by a wet process and having a two-dimensional structure, and said binder resin is a polyurethane resin.

Sub B27 3. The water-metachromatic cloth sheet
according to claim 1, wherein a colored layer
is further provided as a lower layer or an upper
layer of, or in the vicinity of, said porous
5 layer.

4. The water-metachromatic cloth sheet
according to claim 1, wherein a
water-impermeable sheet material is provided
10 on the back of said cloth.

Sub B37 5. The water-metachromatic cloth sheet
according to claim 4, wherein said
water-impermeable sheet material is a sheet
15 with a thickness of from 1 μ m to 3 mm, made of
a material selected from a soft thermoplastic
resin and a thermoplastic elastomer.

Sub A3 6. The water-metachromatic cloth sheet
20 according to claim 4, wherein said cloth is cut
in a quadrilateral having a side of at least
50 cm or longer.

7. A water-metachromatic toy set which
25 comprises the water-metachromatic cloth sheet
according to claim 1 and a water-providing
means.

Sub 1347 8. The water-metachromatic toy set
according to claim 7, wherein said
water-providing means is selected from any of
5 a stamp type comprising a synthetic resin
porous member having open cells or a fibrous
worked member and a writing instrument type
comprising the synthetic resin porous member
or fibrous worked member used as a pen point
10 material.

9. The water-metachromatic toy set
according to claim 8, wherein said writing
instrument comprises a main body, a pen point
15 formed of the synthetic resin porous member or
fibrous worked member and fitted to the front
end of the main body;

the front end of said pen point being
connected to the front end of a water absorber
20 formed of a fiber bunch, held in said main body,
and a communicating holes being provided at a
suitable portion of said main body to make the
water absorber communicate with the outside.

25 10. The water-metachromatic toy set
according to claim 8, wherein said writing
instrument comprises a holder which holds a pen

point, and a container capable of holding water directly in its interior;

a pour opening from which water is poured into the container being provided at the front
5 end of the container; and

said holder being so constructed as to be detachably fitted to the pour opening, and the interior of said container being hermetically closed when said holder is fitted to said pour
10 opening.

11. The water-metachromatic toy set according to claim 10, wherein said holder comprises a cylindrical pen point holding
15 member capable of holding a pen point at its outer surface;

said cylindrical pen point holding member being inserted from said pour opening and disposed in said container; and

a gap being provided between the outer surface of said pen point and the inner surface of said pen point holding member; the gap being a gap through which the interior of said container communicates with the exterior of
20 said container and at which the water is held by the aid of a capillary force.
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12. A writing instrument for water-metachromatic members with which writing instrument any desired writing image is formed by means of water on a
5 water-metachromatic member comprising a support and provided on the surface thereof a porous layer formed of a binder resin to which fine-particle silicic acid stands fixed dispersedly, and capable of rendering
10 different transparency between a liquid-absorbed state and a liquid-unabsorbed state;

said writing instrument comprising a main body, a pen point attached to the front end of the main body, and a water absorber held in the
15 interior of the main body;

the front end of said water absorber being connected to the rear end of the pen point so that said water absorber is internally
20 suppliable with the water by absorption; and

said main body being provided at the rear end thereof with a communicating hole through which the rear end of said water absorber communicates with the outside.

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Sub B77 13. The writing instrument for water-metachromatic members according to

claim 12, wherein said water absorber is so constructed as to be internally suppliable with water by absorption from the pen point.

5 14. The writing instrument for
water-metachromatic members according to
claim 12, wherein said water absorber is so
constructed as to be internally suppliable
with water by absorption through the
10 communicating hole at the rear of said main
body.

 15. The writing instrument for
water-metachromatic members according to
15 claim 12, wherein said communicating hole at
the rear of the main body is made open outside
at a position rearward to the rear end of said
water absorber.

20 16. The writing instrument for
water-metachromatic members according to
claim 12, wherein a communicating hole through
which the front end of said water absorber
communicates with the outside is provided at
25 the front portion of said main body.

 17. The writing instrument for

water-metachromatic members according to
claim 12, wherein said pen point and said water
absorber each comprises a fibrous worked
member or a synthetic resin porous member, and
5 said pen point has a capillary force set
greater than the capillary force of said water
absorber.

18. The writing instrument for
10 water-metachromatic members according to
claim 12, wherein a tail stopper is fixed to
the rear-end opening of said main body, and
said communicating hole is provided in the tail
stopper.

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